| Electronic Acknowledgement Receipt   |   |  |  |  |
|--------------------------------------|---|--|--|--|
| EFS ID:                              | 2495170   |  |  |  |
| Application Number:                  | 10789387  |  |  |  |
| International Application Number:    |   |  |  |  |
| Confirmation Number:                 | 4947  |  |  |  |
| Title of Invention:                  | Apparatus and associated methods to introduce diversity in a multicarrier communication channel |  |  |  |
| First Named Inventor/Applicant Name: | Lei Shao  |  |  |  |
| Customer Number:                     | 59796   |  |  |  |
| Filer:                               | Paul Mendonsa/Michelle Evans  |  |  |  |
| Filer Authorized By:                 | Paul Mendonsa   |  |  |  |
| Attorney Docket Number:              | 42P16330  |  |  |  |
| Receipt Date:                        | 20-NOV-2007   |  |  |  |
| Filing Date:                         | 26-FEB-2004   |  |  |  |
| Time Stamp:                          | 18:17:10  |  |  |  |
| Application Type:                    | Utility under 35 USC 111(a)   |  |  |  |

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| Document<br>Number | Document Description | File Name                         | File Size(Bytes)<br>/Message Digest          | Multi<br>Part /.zip | Pages<br>(if appl.) |
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| 1                  |                      | 42P16330_AmendAF_11-20<br>-07.pdf | 143975                                       | yes 59              | 4                   |
|                    |                      |                                   | 0fdbb21340a5f46facc5407ff184849459<br>b0136a |                     |                     |

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|           | <b>Document Description</b>                         | Start | End |  |
|           | Amendment After Final                               | 1     | 1   |  |
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#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.